

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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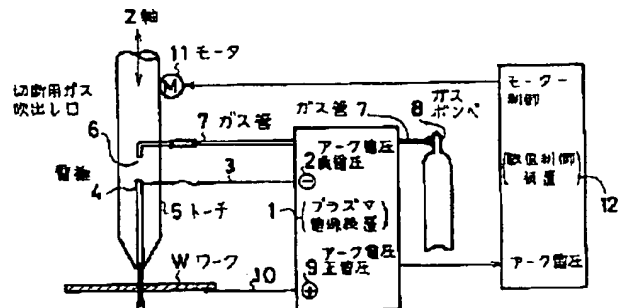
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APPLICANT : AMADA CO LTD;

INVENTOR : ASAMI YASUHIRO;

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TITLE : HEIGHT POSITION CONTROLLER FOR TOUCH



ABSTRACT : PROBLEM TO BE SOLVED: To provide a height position controller for a torch capable of stable cutting by providing the gas flow rate regulating device detecting the back pressure of a gas and regulating the flow rate and moreover adding the gas check command program in order to control by a computer.

SOLUTION: In cutting by computer control in the plasma working machine having a numerically controlled device 12, the gas flow rate regulating device G detecting the back pressure of the gas fed to the torch 5 and regulating the flow rate is provided, the flow rate of the gas is regulated based on the signal from a pressure sensor 13, and the gas check command program is added to the working program by the computer so that the distance between the torch 5 and a work W is suitably held matching the working condition.

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